

Breakdown of Effects

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There have been a number of changes made in the data and methods:

- 1) change of S(alpha,beta) temperature from 296K to 293.6K (.0253 eV)
- 2) change of alpha and beta grids for S(alpha,beta) to improve cross section calculation
- 3) Extension of cutoff energy to 10 eV
- 4) More incident energies for thermal cross sections
- 5) Continuous treatment for S(alpha,beta) secondary energies

Here is a breakdown showing a few of the effects;

Assembly	Mar'05	New disc	New cont	IKE cont
HST42-3	.99985(09)	1.00070(14)	1.00030(14)	1.00044(14)
C/E	1.00045	1.00130	1.00090	1.00104
HST9-2	1.00061(22)	1.00112(15)	1.00121(15)	1.00131(15)
LCT6-6	.99935(18)	.99937(19)	.99963(25)	.99877(18)